

<b>Unit Title:</b>	<b>Major Topics:</b>	<b>Days:</b>	<b>Essential Standards:</b>	<b>Clarifying Objectives:</b>
Density & Phases	Phases Phase Changes Density	5	PSc.2.1 - Understand types, properties, and structure of matter	PSc.2.1.2 PSc.2.1.3
Atomic Structure	History of the Atom Isotopes Bohr Model Dot Structures & Ions	9	PSc.2.1 - Understand types, properties, and structure of matter	PSc.2.1.4
The Periodic Table & Bonding	Classification & Mixtures Solutions Valence Electrons Metals & Nonmetals Types of Bonds Naming Compounds	11	PSc.2.1 - Understand types, properties, and structure of matter PSc.2.2 - Understand chemical bonding and chemical interactions	PSc.2.1.1 PSc.2.2.1 PSc.2.2.2 PSc.2.2.3
Reactions	Balancing Reactions Types of Reactions Acid & Bases Nuclear Chemistry	13	PSc.2.2 - Understand chemical bonding and chemical interactions PSc.2.3 - Understand the role of the nucleus in radiation and radioactivity	PSc.2.2.4 PSc.2.2.5 PSc.2.2.6 PSc.2.3.1 PSc.2.3.2
Review + Midterm if desired	Review 9-weeks material	2		
Motion	Reference Points Distance vs Displacement Speed vs Velocity Acceleration Momentum	7	PSc.1.1 - Understand motion in terms of speed, velocity, acceleration, and momentum	PSc.1.1.1 PSc.1.1.2
Forces	Gravity and Weight Friction Newton's Laws Balanced & Unbalanced	7	PSc.1.2 - Understand the relationship between forces and motion	PSc.1.2.1 PSc.1.2.2
Work & Energy	Heat & Thermal Energy Kinetic & Potential Energy Work & Power Simple Machines Waves, Sound, Light	12	PSc.3.1 - Understand types of energy, conservation of energy, and energy transfer PSc.3.2 - Understand the nature of waves	PSc.3.1.1 PSc.3.1.2 PSc.3.1.3 PSc.3.1.4 PSc.3.2.1 PSc.3.2.2 PSc.3.2.3 PSc.3.2.4
Electricity & Magnetism	Types of Charge Parallel & Series Circuits Magnets Electromagnetism	10	PSc.3.3 - Understand electricity and magnetism and their relationship	PSc.3.3.1 PSc.3.3.2 PSc.3.3.3 PSc.3.3.4 PSc.3.3.5

Review		4		
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